LABORATORY REPORT

July 1, 2011

Tom Jacobsmeyer
Aquaterra Environmental Solutions, Inc.
13 Executive Dr., Suite 1
Fairview Heights, IL 62208

RE: 2011 Cottonwood RDF Flare

Dear Tom:

Enclosed are the results of the samples submitted to our laboratory on June 20, 2011. For your reference, these analyses have been assigned our service request number P1102313.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L10-3-R1; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 219474; Washington State Department of Ecology, ELAP Lab ID: C946. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Manager

Client: Aquaterra Environmental Solutions, Inc. CAS Project No: P1102313
Project: 2011 Cottonwood RDF Flare

CASE NARRATIVE

The samples were received intact under chain of custody on June 20, 2011 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

BTU and CHONS Analysis

The results for BTU and CHONS were generated according to ASTM D 3588-98. The following analyses were performed and used to calculate the BTU and CHONS results.

C2 through C6 Hydrocarbon Analysis

The samples were analyzed according to modified EPA Method TO-3 for C_2 through $>C_6$ hydrocarbons using a gas chromatograph equipped with a flame ionization detector (FID).

Fixed Gases Analysis

The samples were also analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, methane and carbon dioxide) according to ASTM D 1946 using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Hydrogen Sulfide Analysis

The were also analyzed for hydrogen sulfide per ASTM D 5504-08 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD).

Total Gaseous Non-Methane Organics as Methane Analysis

The samples were also analyzed for total gaseous non-methane organics as methane according to modified EPA Method 25C. The analyses included a single sample injection (method modification) analyzed by gas chromatography using flame ionization detection/total combustion analysis.

DETAIL SUMMARY REPORT

Client: Aquaterra Environmental Solutions, Inc.
Service Request: P1102313
Project ID: 2011 Cottonwood RDF Flare

Date Received: 6/20/2011
Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-3 Modified - C1C6+ Can	3C Modified - Fxd Gases Can	ASTM D5504-01 - H2S Can	25C Modified - TGNMO+ 1X Can
CW-1	P1102313-001	Air	6/7/2011	13:45	1SC00246	12.11	12.11	X	X	X	X
CW-2	P1102313-002	Air	6/7/2011	14:06	1SC00063	12.01	12.01	X	X	X	X
CW-3	P1102313-003	Air	6/7/2011	14:10	1SC00774	11.58	11.58	X	X	X	X

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

P1102313

Client Contact Information	Project Manager: Rusty Homburg	LUF0124	1 of 1 COCs
Company: Aquaterra Environmental	Phone: (618) 628-2001	Samples Collected By: Robert Hill / Collin Carson	
Address: 13 Executive Drive, Ste 1	Email: rhomburg@aquaterra-env.com		
City/State/Zip: Fairview Heights, IL 62208	Site Contact: Robert H. Hill II		
Phone: (618) 628-2001	LAB Contact: Sonia Tabistra		
FAX: (618) 628-2002	Analysis Turnaround Time		
Project Name: 2011 Cottonwood RDF Flare	Standard (Specify) X		
Site: Cottonwood Hills RDF Testing	Rush (Specify)		
PO # N/A			

	Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
(1)	CW-1	6/7/11	1330	1345	-94	-8	AVG01089	3236				X	X		X					X		+11.92
(2)	CW-2	6/7/11	1349	1406	-100	-9	AVG00474	2916				X	X		X					X		+11.80
(1)	CW-3	6/7/11	1410	—	-28	-1	AVG00005	4445				X	X		X					X		+11.53

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Temperature (Fahrenheit)	Interior	Ambient
Start		93°
Stop		94°

Pressure (inches of Hg)	Interior	Ambient
Start		29.9
Stop		29.9

* BTU Content ASTM D3588

Special Instructions/QC Requirements & Comments: Instantaneous withdrawal of vacuum, less than one minute.

Samples Shipped by: Robert Hill	Date/Time: 6/7/2011 1705	Samples Received by:	
Samples Relinquished by:	Date/Time: 6/8/11 1100	Received by:	
Relinquished by:	Date/Time: 6/8/11 1200	Received by:	6/9/11 0930

Lab Use Only Shipper Name: Opened by: Condition:

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Columbia Analytical Services™ 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 | 805.526.7161 | www.caslab.com

Sample Acceptance Check Form

Client: Aquaterra Environmental Solutions, Inc. Work order: P1102313

Project: 2011 Cottonwood RDF Flare

Sample(s) received on: 6/20/11 Date opened: 6/20/11 by: MZAMORA

Note: This form is used forall samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Container(s) **supplied by CAS**?	☒	☐	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☐	☐	☒
6	Was **sample volume** received adequate for analysis?	☒	☐	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
	Cooler Temperature _____ °C Blank Temperature _____ °C			
9	Was a **trip blank** received?	☐	☒	☐
10	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
11	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
12	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
13	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1102313-001.01	1.0 L Source Can					
P1102313-002.01	1.0 L Source Can					
P1102313-003.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers):

The canisters were not tagged; they were assigned by the asset tag number indicated on the COC.

Canisters were inadvertantly shipped to another lab before being sent backl to CAS so they were received pressurized.

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-1** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-001

Test Code: ASTM D3588-98
Analyst: Wade Henton/Dante Munoz-Castaneda Date Collected: 6/7/11
Sampling Media: 1.0 L Summa Canister Date Received: 6/20/11
Test Notes:
Container ID: 1SC00246

Initial Pressure (psig): 12.11 Final Pressure (psig): 12.11

Canister Dilution Factor: 1.00

Components	Result Volume %	Result Weight %	Data Qualifier
Hydrogen	**0.36**	**0.03**	
Oxygen + Argon	**1.32**	**1.52**	
Nitrogen	**56.77**	**57.09**	
Carbon Monoxide	< 0.01	< 0.01	
Methane	**24.27**	**13.97**	
Carbon Dioxide	**17.21**	**27.19**	
Hydrogen Sulfide	< 0.01	< 0.01	
Ethane	< 0.01	< 0.01	
Propane	< 0.01	< 0.01	
Butanes	< 0.01	< 0.01	
Pentanes	**0.01**	**0.04**	
Hexanes	**0.01**	**0.03**	
> Hexanes	**0.03**	**0.12**	
TOTALS	**99.99**	**99.99**	

Components	Mole %	Weight %
Carbon	**14.34**	**18.00**
Hydrogen	**33.91**	**3.57**
Oxygen + Argon	**12.73**	**21.30**
Nitrogen	**39.02**	**57.13**
Sulfur	< 0.10	< 0.10

Specific Gravity (Air = 1)		**0.9618**
Specific Volume	ft3/lb	**13.62**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**249.6**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**224.8**
Gross Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**245.0**
Net Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**220.6**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**3,400.7**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**3,062.2**
Compressibility Factor "Z" (60 F, 14.696 psia)		**0.9988**

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RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-2** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-002

Test Code: ASTM D3588-98
Analyst: Wade Henton/Dante Munoz-Castaneda Date Collected: 6/7/11
Sampling Media: 1.0 L Summa Canister Date Received: 6/20/11
Test Notes:
Container ID: 1SC00063

Initial Pressure (psig): 12.01 Final Pressure (psig): 12.01

Canister Dilution Factor: 1.00

Components	Result Volume %	Result Weight %	Data Qualifier
Hydrogen	**0.40**	**0.03**	
Oxygen + Argon	**0.27**	**0.31**	
Nitrogen	**52.43**	**52.82**	
Carbon Monoxide	< 0.01	< 0.01	
Methane	**27.37**	**15.79**	
Carbon Dioxide	**19.44**	**30.78**	
Hydrogen Sulfide	< 0.01	< 0.01	
Ethane	< 0.01	< 0.01	
Propane	< 0.01	< 0.01	
Butanes	< 0.01	< 0.01	
Pentanes	**0.01**	**0.04**	
Hexanes	**0.01**	**0.04**	
> Hexanes	**0.05**	**0.19**	
TOTALS	**99.99**	**99.99**	

Components	Mole %	Weight %
Carbon	**15.58**	**20.40**
Hydrogen	**36.80**	**4.04**
Oxygen + Argon	**13.01**	**22.70**
Nitrogen	**34.61**	**52.86**
Sulfur	< 0.10	< 0.10

Specific Gravity (Air = 1)		**0.9600**
Specific Volume	ft3/lb	**13.65**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**282.2**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**254.1**
Gross Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**276.9**
Net Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**249.4**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**3,851.6**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**3,468.5**
Compressibility Factor "Z" (60 F, 14.696 psia)		**0.9987**

RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-3** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-003

Test Code: ASTM D3588-98
Analyst: Wade Henton/Dante Munoz-Castaneda Date Collected: 6/7/11
Sampling Media: 1.0 L Summa Canister Date Received: 6/20/11
Test Notes:
Container ID: 1SC00774

Initial Pressure (psig): 11.58 Final Pressure (psig): 11.58

Canister Dilution Factor: 1.00

Components	Result Volume %	Result Weight %	Data Qualifier
Hydrogen	< 0.01	< 0.01	
Oxygen + Argon	**11.48**	**12.91**	
Nitrogen	**88.00**	**86.58**	
Carbon Monoxide	< 0.01	< 0.01	
Methane	**0.28**	**0.16**	
Carbon Dioxide	**0.22**	**0.34**	
Hydrogen Sulfide	< 0.01	< 0.01	
Ethane	< 0.01	< 0.01	
Propane	< 0.01	< 0.01	
Butanes	< 0.01	< 0.01	
Pentanes	< 0.01	< 0.01	
Hexanes	< 0.01	< 0.01	
> Hexanes	< 0.01	< 0.01	
TOTALS	**99.99**	**99.99**	

Components	Mole %	Weight %
Carbon	**0.25**	**0.21**
Hydrogen	**0.56**	< 0.10
Oxygen + Argon	**11.64**	**13.16**
Nitrogen	**87.54**	**86.59**
Sulfur	< 0.10	< 0.10

Specific Gravity (Air = 1)		**0.9830**
Specific Volume	ft3/lb	**13.33**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**2.9**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/ft3	**2.6**
Gross Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**2.8**
Net Heating Value (Water Saturated at 0.25636 psia)	BTU/ft3	**2.5**
Gross Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**38.2**
Net Heating Value (Dry Gas @ 60 F, 14.696 psia)	BTU/lb	**34.4**
Compressibility Factor "Z" (60 F, 14.696 psia)		**0.9997**

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RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-1** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-001

Test Code: EPA Method 3C Modified Date Collected: 6/7/11
Instrument ID: HP5890 II/GC1/TCD Date Received: 6/20/11
Analyst: Dante Munoz-Castaneda Date Analyzed: 6/29/11
Sampling Media: 1.0 L Summa Canister Volume(s) Analyzed: 0.10 ml(s)
Test Notes:
Container ID: 1SC00246

Initial Pressure (psig): 12.11 Final Pressure (psig): 12.11

Canister Dilution Factor: 1.00

CAS #	Compound	Result %, v/v	MRL %, v/v	Data Qualifier
1333-74-0	**Hydrogen**	**0.385**	0.10	
7782-44-7	**Oxygen +**			
7440-37-1	**Argon**	**1.32**	0.10	
7727-37-9	**Nitrogen**	**56.8**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	**Methane**	**24.3**	0.10	
124-38-9	**Carbon Dioxide**	**17.2**	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-2** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-002

Test Code: EPA Method 3C Modified Date Collected: 6/7/11
Instrument ID: HP5890 II/GC1/TCD Date Received: 6/20/11
Analyst: Dante Munoz-Castaneda Date Analyzed: 6/29/11
Sampling Media: 1.0 L Summa Canister Volume(s) Analyzed: 0.10 ml(s)
Test Notes:
Container ID: 1SC00063

Initial Pressure (psig): 12.01 Final Pressure (psig): 12.01

Canister Dilution Factor: 1.00

CAS #	Compound	Result %, v/v	MRL %, v/v	Data Qualifier
1333-74-0	**Hydrogen**	**0.404**	0.10	
7782-44-7	**Oxygen +**			
7440-37-1	**Argon**	**0.269**	0.10	
7727-37-9	**Nitrogen**	**52.4**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	**Methane**	**27.4**	0.10	
124-38-9	**Carbon Dioxide**	**19.4**	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **CW-3** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P1102313-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890 II/GC1/TCD
Analyst: Dante Munoz-Castaneda
Sampling Media: 1.0 L Summa Canister
Test Notes:
Container ID: 1SC00774

Date Collected: 6/7/11
Date Received: 6/20/11
Date Analyzed: 6/29/11
Volume(s) Analyzed: 0.10 ml(s)

Initial Pressure (psig): 11.58 Final Pressure (psig): 11.58

Canister Dilution Factor: 1.00

CAS #	Compound	Result %, v/v	MRL %, v/v	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7	**Oxygen +**			
7440-37-1	**Argon**	**11.5**	0.10	
7727-37-9	**Nitrogen**	**88.0**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	**Methane**	**0.280**	0.10	
124-38-9	**Carbon Dioxide**	**0.222**	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

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RESULTS OF ANALYSIS

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **Method Blank** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P110629-MB

Test Code: EPA Method 3C Modified Date Collected: NA
Instrument ID: HP5890 II/GC1/TCD Date Received: NA
Analyst: Dante Munoz-Castaneda Date Analyzed: 6/29/11
Sampling Media: 1.0 L Summa Canister Volume(s) Analyzed: 0.10 ml(s)
Test Notes:

CAS #	Compound	Result %, v/v	MRL %, v/v	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7	Oxygen +			
7440-37-1	Argon	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	Methane	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **Lab Control Sample** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P110629-LCS

Test Code: EPA Method 3C Modified Date Collected: NA
Instrument ID: HP5890 II/GC1/TCD Date Received: NA
Analyst: Dante Munoz-Castaneda Date Analyzed: 6/29/11
Sampling Media: 1.0 L Summa Canister Volume(s) Analyzed: NA ml(s)
Test Notes:

CAS #	Compound	Spike Amount ppmV	Result ppmV	% Recovery	CAS Acceptance Limits	Data Qualifier
1333-74-0	Hydrogen	40,300	**41,600**	**103**	83-122	
7782-44-7	Oxygen +					
7440-37-1	Argon	50,000	**50,000**	**100**	74-132	
7727-37-9	Nitrogen	49,800	**48,800**	**98**	76-126	
630-08-0	Carbon Monoxide	49,900	**54,000**	**108**	84-113	
74-82-8	Methane	40,300	**42,000**	**104**	84-113	
124-38-9	Carbon Dioxide	50,000	**51,700**	**103**	87-117	

Client: **Aquaterra Environmental Solutions, Inc.**
Client Project ID: **2011 Cottonwood RDF Flare** CAS Project ID: P1102313

Total Gaseous Nonmethane Organics (TGNMO) as Methane

Test Code: EPA Method 25C Modified
Instrument ID: HP5890 II/GC1/FID/TCA Date(s) Collected: 6/7/11
Analyst: Dante Munoz-Castaneda Date Received: 6/20/11
Sampling Media: 1.0 L Summa Canister(s) Date Analyzed: 6/24/11
Test Notes:

Client Sample ID	CAS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
CW-1	P1102313-001	1.00	0.50	**3,100**	1.0	
CW-2	P1102313-002	1.00	0.50	**3,700**	1.0	
CW-3	P1102313-003	1.00	0.50	**36**	1.0	
Method Blank	P110624-MB	1.00	0.50	ND	1.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Aquaterra Environmental Solutions, Inc.**
Client Sample ID: **Lab Control Sample** CAS Project ID: P1102313
Client Project ID: **2011 Cottonwood RDF Flare** CAS Sample ID: P110624-LCS

Test Code: EPA Method 25C Modified Date Collected: NA
Instrument ID: HP5890 II/GC1/FID/TCA Date Received: NA
Analyst: Dante Munoz-Castaneda Date Analyzed: 6/24/11
Sampling Media: 1.0 L Summa Canister Volume(s) Analyzed: NA ml(s)
Test Notes:

Compound	Spike Amount ppmV	Result ppmV	% Recovery	CAS Acceptance Limits	Data Qualifier
Total Gaseous Nonmethane Organics (TGNMO) as Methane	98.8	**97.7**	**99**	71-136	